

# WEST Search History for Application 10631226

Creation Date: 2008031315:38

Query	DB	Op.	Plur.	Thes.	Date
((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR ) and (bore or access or (examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) ) and (gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) ) and ((gradient) with (antenna or probe or coil or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) ) and (specimen or speciman or mouse or target or subject ot object or sample or mice)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) )	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			03-11-2008

and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4)	DWPI, TDBD				
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) ) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) ) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) ) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) ) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or speciman or mouse or target or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008

subject of object or sample or mice))					
(((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or specimen or mouse or target or subject of object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center\$3 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or specimen or mouse or target or subject of object or sample or mice)) ) and ((interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) same (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient\$3) with (non-human or animal or specimen or specimen or rat or mouse or subject of object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((automatic\$4) with (position\$3 or locat\$3 or orient\$3) with (non-human or animal or specimen or specimen or rat or mouse or subject of object or tissue)) ) and ((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((automatic\$4) with (position\$3 or locat\$3 or orient\$3) with (non-human or animal or specimen or specimen or rat or mouse or subject of object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) ) and (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((automatic\$4) with (position\$3 or locat\$3 or orient\$3) with (non-human or animal or specimen or specimen or rat or mouse or subject of object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or	PGPB, USPT, USOC, EPAB, JPAB, DWPI,	ADJ			03-11-2008

retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue))	TDBD				
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) ) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument)) ) and (((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or	PGPB, USPT, USOC, EPAB,	ADJ			03-11-2008

held or restrain\$3 or retain\$4 or securing or secured or secue) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument))	JPAB, DWPI, TDBD				
((automatic\$4) with (position\$3 or locat\$3 or orient\$4) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) ) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient\$4) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) ) and (abut\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((automatic\$4) with (position\$3 or locat\$3 or orient\$4) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			03-11-2008

secue) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentr\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentr\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and (mount\$4)	DWPI, TDBD				
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentr\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentr\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and (mount\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentr\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and (mount\$4) ) and (aperature or gap or opening or open or access)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and	PGPB, USPT, USOC,	ADJ			03-11-2008

(((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument))) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) ) and (align\$4)	EPAB, JPAB, DWPI, TDBD				
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) ) and ((align\$4) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) and ((align\$4) same (aperature or gap or opening or open or access)) ) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) and ((align\$4) same (aperature or gap or opening or open or access)) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) ) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			03-11-2008

((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue))	DWPI, TDBD				
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) ) and ((align\$4 or center\$3 or centra\$2 or middle or "inbetween") same (aperture or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or centra\$2 or middle or "inbetween") same (aperture or gap or opening or open or access)) ) and (key\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or centra\$2 or middle or "inbetween") same (aperture or gap or opening or open or access)) ) and (excite\$4 or excitation or probing or transmit\$4 or transmission)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or	PGPB, USPT,	ADJ			03-11-2008



assembly or device or component or instrument)))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and (excit\$4 or excitation or probing or transmit\$4 or transmission) ) and ((excit\$4 or excitation or probing or transmit\$4 or transmission) same (coil or probe or antenna or winding))	USOC, EPAB, JPAB, DWPI, TDBD				
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and (excit\$4 or excitation or probing or transmit\$4 or transmission) and ((excit\$4 or excitation or probing or transmit\$4 or transmission) same (coil or probe or antenna or winding)) ) and (((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
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(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) ) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) ) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) ) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008

retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) ) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access))					
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access)) ) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or gradient or coil or probe or antenna or winding)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-11-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or	PGPB, USPT, USOC, EPAB,	ADJ			03-11-2008

assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue) same (constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access)) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or gradient or coil or probe or antenna or winding)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or gradient or coil or probe or antenna or winding)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) same((magnetic adj resonan\$2) or MRI or NMR))	JPAB, DWPI, TDBD				
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject of object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center\$3 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or speciman or mouse or target or subject of object or sample or mice)) and ((interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) same (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4)) ) and ((sweet with spot) or sweetspot or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008

sweet-spot)					
((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((((sweet with spot) or sweetspot or sweet-spot) ) and (imag\$3)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) ) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) ) and (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) ) and (bore or access or opening(examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) ) and (bore or access or opening or(examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
		ADJ	YES		03-11-2008

(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) ) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD				
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) ) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008

imaged))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system))					
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same ((sweet with spot) or sweetspot or sweet-spot) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman)	PGPB, USPT, USOC, EPAB, JPAB,	ADJ	YES		03-11-2008

"non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and (mount\$4)	DWPI, TDBD				
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) and (mount\$4) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same ((sweet with spot) or sweetspot or sweet-spot) same (apparatus or assembly or device or component or instrument or machine or imager or system))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
		ADJ	YES		03-11-2008



(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) and (mount\$4) ) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject of object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD				
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject of object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject of object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and (self-center\$4 or "self center\$4" or (self adj center\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject of object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and (self-center\$4 or "self center\$4" or (self adj center\$4)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008

(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and ((center\$3 or central\$2 or middle) same (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
(((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and ((center\$3 or central\$2 or middle) same (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3))) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2008
((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((magnetic adj resonan\$2) or MRI or NMR) ) and (bore or access or (examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI,	ADJ			03-13-2008

	TDBD				
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) ) and (gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) ) and ((gradient) with (antenna or probe or coil or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) ) and (specimen or speciman or mouse or target or subject ot object or sample or mice)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) ) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) ) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

locat\$4)) ) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)					
((((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) ) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) ) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or speciman or mouse or target or subject ot object or sample or mice))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or speciman or mouse or target or subject ot object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center43 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or speciman or mouse or target or subject ot object or sample or mice)) ) and ((interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) same (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) ) and ((magnetic adj resonan\$2) or MRI or NMR)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) ) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) ) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) ) and ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or	PGPB, USPT, USOC, EPAB, JPAB, DWPI,	ADJ			03-13-2008

retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument))	TDBD				
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument)) ) and (((position\$3 or locat\$3 or orient43) with (aparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

assembly or device or component or instrument)) ) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))					
(((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) ) and (abut\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((automatic\$4) with (position\$3 or locat\$3 or orient43) with (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((magnetic adj resonan\$2) or MRI or NMR) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) ) and (mount\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) ) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) ) and (mount\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and (mount\$4) ) and (aperature or gap or opening or open or access)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and (mount\$4) and (aperature or gap or opening or open or access) ) and (align\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) ) and ((align\$4) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or	PGPB, USPT, USOC, EPAB,	ADJ			03-13-2008



assembly or device or component or instrument))) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) and ((align\$4) same (aperature or gap or opening or open or access)) ) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue)	JPAB, DWPI, TDBD				
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and (mount\$4) and (aperature or gap or opening or open or access) and (align\$4) and ((align\$4) same (aperature or gap or opening or open or access)) and (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) ) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) ) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
		ADJ			03-13-2008

(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) ) and (key\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD				
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) ) and (excit\$4 or excitation or probing or transmit\$4 or transmission)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))))) and ((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and (excit\$4 or excitation or probing or transmit\$4 or transmission) ) and ((excit\$4 or excitation or probing or transmit\$4 or transmission) same (coil or probe or antenna or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with	PGPB, USPT, USOC, EPAB, JPAB, DWPI,	ADJ			03-13-2008

(((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and (excit\$4 or excitation or probing or transmit\$4 or transmission) and ((excit\$4 or excitation or probing or transmit\$4 or transmission) same (coil or probe or antenna or winding)) ) and (((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access))	TDBD				
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and (excit\$4 or excitation or probing or transmit\$4 or transmission) and ((excit\$4 or excitation or probing or transmit\$4 or transmission) same (coil or probe or antenna or winding)) ) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) ) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

restrain\$3 or retain\$4 or securing or secured or secue) same (aperature or gap or opening or open or access))					
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain\$4 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain\$4 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (aperature or gap or opening or open or access)) ) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or assembly or device or component or instrument)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain\$4 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue) same (constrain\$4 or hold\$3 or held or restrain\$3 or retain\$4 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) ) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or specimen or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient\$4) with (apparatus or	PGPB, USPT, USOC, EPAB,	ADJ			03-13-2008

assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access)) ) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or gradient or coil or probe or antenna or winding)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static))))	JPAB, DWPI, TDBD				
(((gradient) same (coil or probe or antenna or winding) same ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument))) and (((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument)) same ((concentral\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) and ((constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) and ((align\$4 or center\$3 or central\$2 or middle or "inbetween") same (aperature or gap or opening or open or access)) and ((non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue) same (constrain43 or hold\$3 or held or restrain\$3 or retain43 or securing or secured or secue) same (aperature or gap or opening or open or access)) and ((excit\$4 or excitation or prob\$3 or transmit\$4 or transmission) same (coil or antenna or winding)) and (((constrain\$3 or hold\$3 or held or restrain\$3 or retain\$3 or securing or secured or secue or retention) same (non-human or animal or specimen or speciman or rat or mouse or subject or object or tissue)) same (aperature or gap or opening or open or access)) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

component or instrument or gradient or coil or probe or antenna or winding)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) ) and (((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or gradient or coil or probe or antenna or winding)) same ((concentra\$2 or concentric\$4 or center\$3 or align\$4) with ((bore or (examination same zone) or (main) or (static)))) same((magnetic adj resonan\$2) or MRI or NMR))					
((magnetic adj resonan\$2) or MRI or NMR) and (bore or access or (examination with (area or zone or volume or region))) and (gradient) and ((gradient) with (antenna or probe or coil or winding)) and (specimen or specimen or mouse or target or subject of object or sample or mice) and (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4) and ((self or automatic\$4 or intrinsic\$4 or inherent) same (center\$3 or align\$3 or alignment or position\$3 or locat\$4)) and (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) and (holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) and ((holder or contain\$3 or vessel or retention or retain\$3 or tray or bed or box or platform or cradle or stretcher or support) same (specimen or specimen or mouse or target or subject of object or sample or mice)) and ((interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3) same (groove or ridge or notch\$3 or thread or rail or recess\$3 or inla\$4)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) ) and (imag\$3)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) ) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged))	PGPB, USPT, USOC, EPAB,	ADJ			03-13-2008

	JPAB, DWPI, TDBD				
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) ) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) ) and (bore or access or opening(examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) ) and (bore or access or opening or(examination with (area or zone or volume or region)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) ) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

imaged))) ) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system))					
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again)))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008



or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same ((sweet with spot) or sweetspot or sweet-spot) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system))					
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient43) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or speciman or mouse or target or subject ot object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) ) and (mount\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen	PGPB, USPT, USOC,	ADJ			03-13-2008

or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) and (mount\$4) ) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same ((sweet with spot) or sweetspot or sweet-spot) same (apparatus or assembly or device or component or instrument or machine or imager or system))	EPAB, JPAB, DWPI, TDBD				
((sweet with spot) or sweetspot or sweet-spot) and (imag\$3) and ((machine or device or system or apparatus or imager) with (imaging or image or imaged)) and (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) and (bore or access or opening or(examination with (area or zone or volume or region))) and ((bore or access or opening or(examination with (area or zone or volume or region))) same ((machine or device or system or apparatus or imager) with (imaging or image or imaged))) and ((position\$3 or locat\$3 or orient\$3) with (apparatus or assembly or device or component or instrument or machine or imager or system)) and (repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) and ((repetitiv\$4 or repeat\$4 or repetition or (over with (over or again))) same (position\$3 or locat\$3 or orient\$3) same (specimen or specimen or mouse or target or subject of object or sample or mice or mouse or laboratory or non-human or "non human" or nonhuman) same (bore or access or opening or(examination with (area or zone or volume or region))) same (apparatus or assembly or device or component or instrument or machine or imager or system)) and (mount\$4) ) and ((constrain\$3 or hold\$3 or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

held or restrain\$3 or retain\$4 or securing or secured or secue) same (mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue))					
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and (self-center\$4 or "self center\$4" or (self adj center\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and (self-center\$4 or "self center\$4" or (self adj center\$4)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or specimen or rat or subject or object or tissue) same (position\$3 or locat\$3 or	PGPB, USPT, USOC,	ADJ			03-13-2008

orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and ((center\$3 or central\$2 or middle) same (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3)))	EPAB, JPAB, DWPI, TDBD				
((((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or speciman or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and ((center\$3 or central\$2 or middle) same (slid\$4 with (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3))) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
((324/300-322.ccls.) or (600/407-435.ccls.))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
((((324/300-322.ccls.) or (600/407-435.ccls.)) ) and (((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or speciman or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
((((324/300-322.ccls.) or (600/407-435.ccls.)) and (((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or speciman or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) ) and ((sweet with spot) or sweetspot or sweet-spot)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
((((324/300-322.ccls.) or (600/407-435.ccls.)) and (((mouse or laboratory or non-human or "non human" or nonhuman or animal or specimen or speciman or rat or subject or object or tissue) same (position\$3 or locat\$3 or orient\$3) same (apparatus or assembly or device or component or instrument or machine or imager or system)) same (imag\$4)) and ((sweet with spot) or sweetspot or sweet-spot) ) and ((automatic\$4 or self or intrinsic\$4 or inherent\$2) same (center\$3 or central\$2 or middle) same (interconnect\$4 or inter-connect\$4 or connect\$4 or link\$3 or bridg\$3 or join\$3))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008